

Observation of GFP-fusion proteins in living cells

Equipment and reagents

- Nalgene Labtek 2 chambers (Nalgene) or glass-bottom Petri-dishes (Mattek).
- Phenol-red free cell growth medium (Gibco)

Method

1. Transfect cells with GFP fusion protein of interest and seed in Nalgene Labtek II chambers or in glass-bottom chambers.
2. Grow cells for desired length of time, typically 16-24 hours.
3. Replace growth medium with phenol-red free medium^a.
4. Place chamber on inverted microscope and use appropriate filtersets to illuminate GFP.

^a Phenol red gives significant background fluorescence.